



77 Construction Company

15 MW Kandahar Solar Power Plant

Project Presentation

December 5th, 2018

Afghanistan Energy Study Committee Meeting

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1. Project Brief

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Bidding and Negotiations

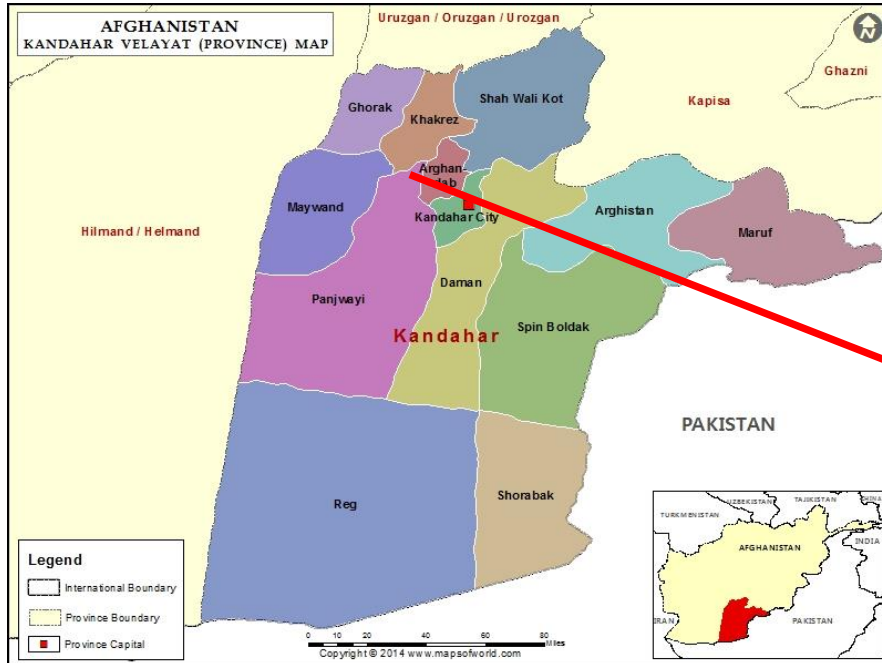
- On **16 March 2016**, Ministry of Energy and Water Islamic Republic of Afghanistan announced “Design, Finance, Build, Own, Commission, Operate total of 30MWp Solar PV Power System in Kandahar” project with RFP no: MEW-REN-01-KAN.
- On **25 April 2016**, 77 Construction has submitted their proposal for this BOT project and was selected as a qualified bidder by the Bid Evaluation Committee.
- Early **May 2017**, drafting of Power Purchase Agreement and negotiations on the contractual terms has started.
- On **18 February 2018**, Power Purchase Agreement has been signed by DABS and 77CCA.
- On **13 June 2018**, 77CC has reached to Financial Close Out for the Project. The NTP was issued by DABS to 77CC at this date.
- On **07 August 2018**, 77CC has signed a mandate letter with Asian Development Bank for the financial support of the Project.



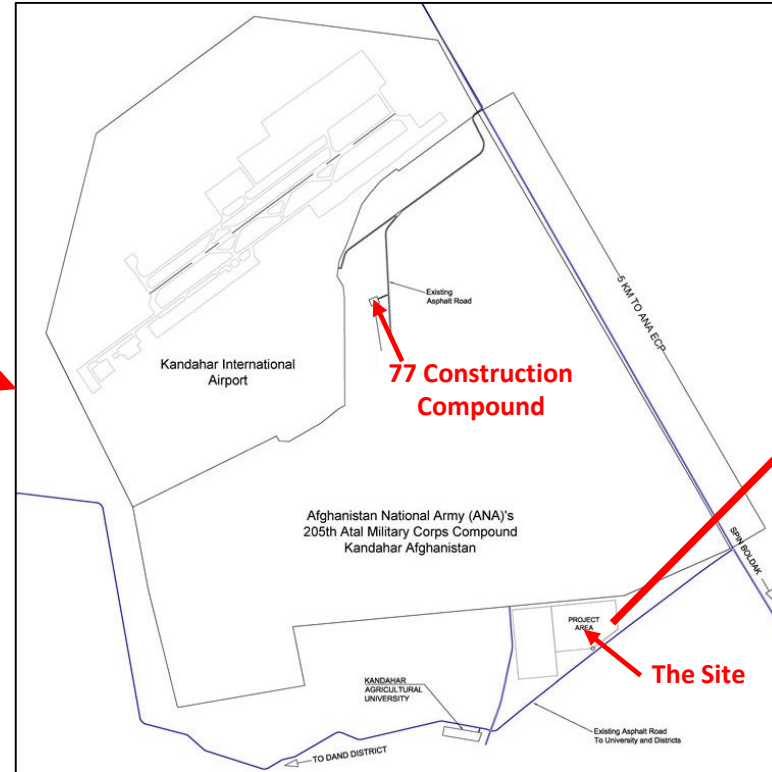
2. Technical Overview

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Location

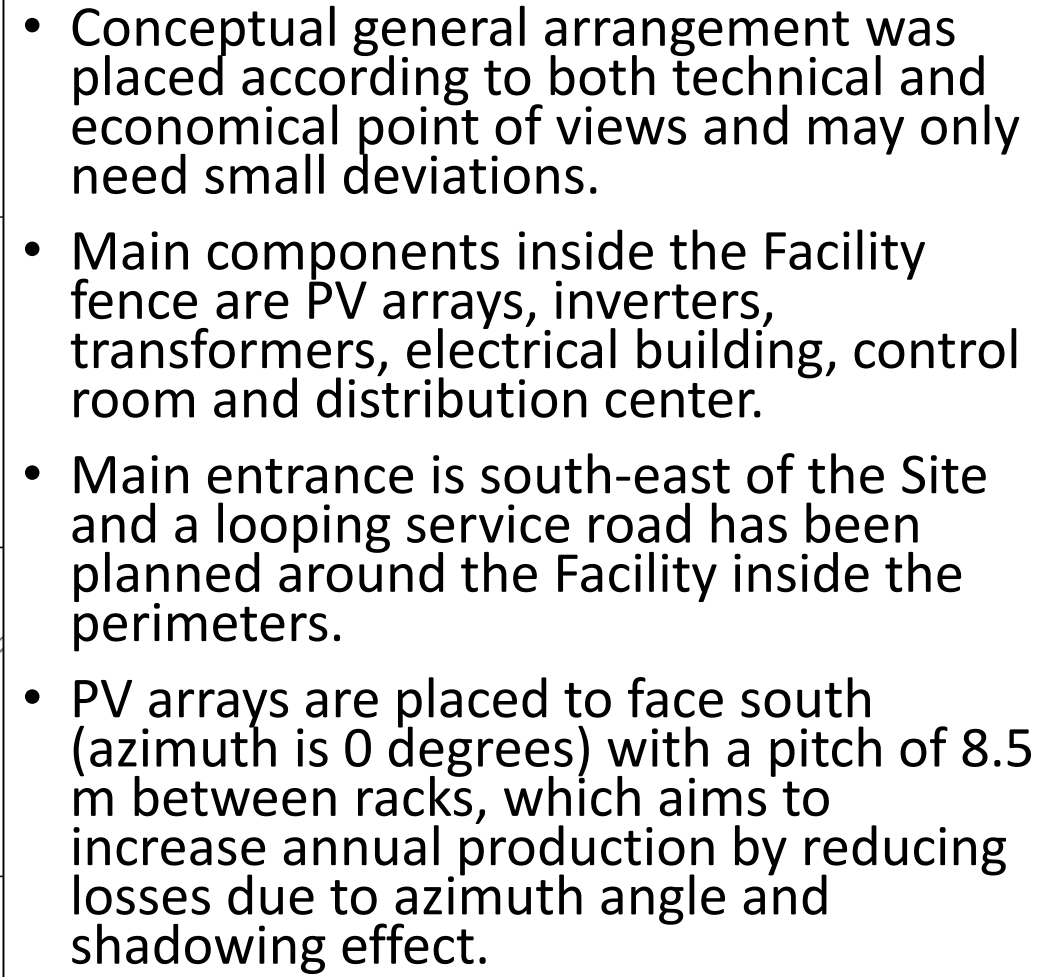


<https://www.mapsofworld.com/afghanistan/provinces/kandahar-map.html>



- The Site is in a relatively favorable location:
 - Close to Kandahar International Airport and major highways (~29 km to Ring Road)
 - Can be accessed easily via existing asphalt roads.
 - North border is neighboring Afghanistan National Army's 205th Atal Military Corps Compound.
 - 77 Construction has existing compound inside the Kandahar International Airport - No need for a major mobilization.

General Arrangement Plan





3. Project Status - Timeline



3. Timeline

Milestones

- The construction works have commenced on 19 June 2018.
- Critical activities are assumed as follows;
 1. Manufacturing, site delivery and erection/installation works for mounting system,
 2. Manufacturing, site delivery and erection/installation works for PV panels,
 3. Mechanical and electrical erection/installation works for balance of system,
 4. Testing and commissioning.
- 100% Design has been completed and submitted to DABS.
- Site grading, leveling and boundary wall construction activities are completed
- Installation of Mounting Structures is on going
- Procurement of PV Panels, Mounting Structure ,Inverters, Cables and Transformers are completed.
- The target project completion date is 13 April 2019.

3. Timeline

Current Progress



Sample of Borehole Drilling and Investigation Pit at the Site

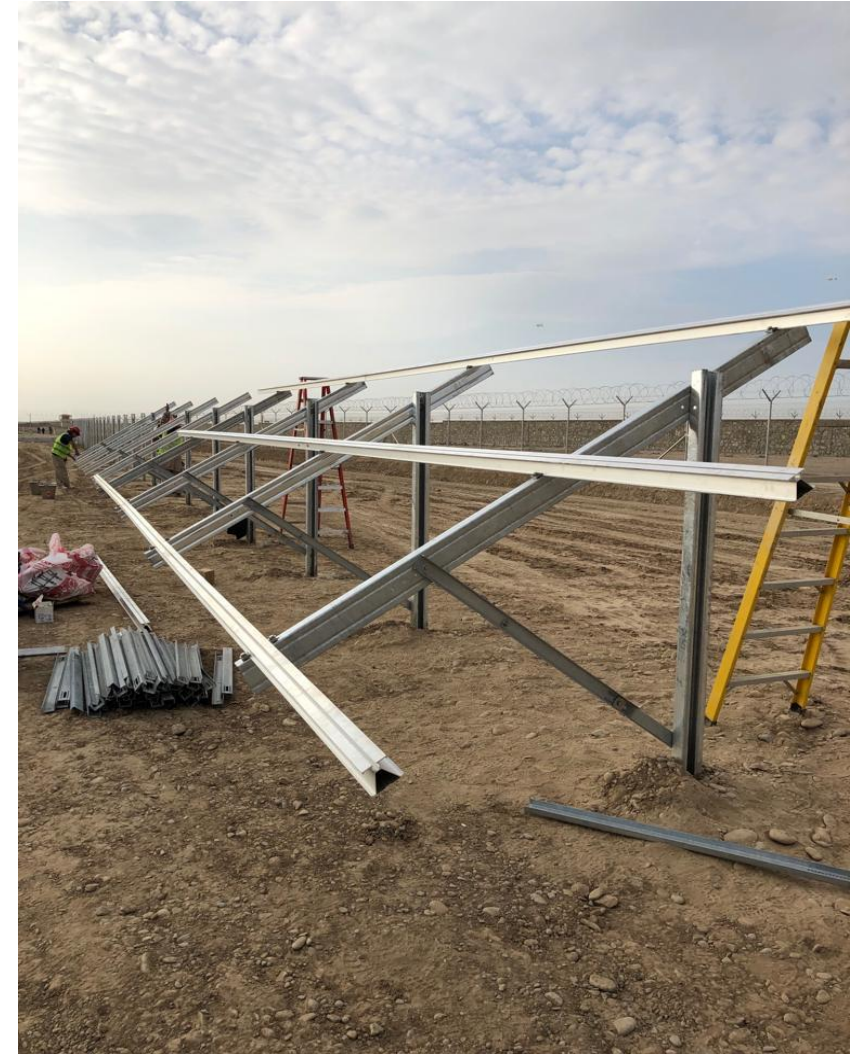


Construction works have started on 19 June 2018 at the Site

3. Timeline

Current Progress

- Installation of Mounting Structure is on going the Site.



3. Timeline

Current Progress

- 10 MW Panels has reached to the Project Site.



3. Timeline

Current Progress

- The construction of Transformer and Distribution Center Buildings is on going

